PURGE AND TRAP CAPILLARY-COLUMN GC/MS
SM 20th ED 6200

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Were sample containers purchased precleaned or cleaned with detergent, tap, and distilled water and dried for 1-hour at 105°C?	6010 B 1				
Were samples collected in duplicate?	6010 B 1				
Was a replicated sample collected with each sample set?	6010 B 1				
Were field reagent blanks of reagent water collected and shipped along with sample containers?	6010 B 1 6200 B 1 b				
Were samples collected by filling sample containers to just overflowing without trapping air bubbles in sealed bottles?	6010 B 1				
Were taps flushed until temperatures stabilized prior to sampling?	6010 B 1				
Were samples only known to **not** contain residual chlorine preserved with HCl?	6010 B 1 1)				
Was ascorbic acid used to preserve samples believed to contain residual chlorine where ascorbic acid was known not to cause interferences?	6010 B 1 2)				
Were reagent blanks analyzed to confirm the absences of interferences with each sample batch?	6010 B 1 2) 6010 B 3 a				
Did reagent blanks include all reagents and preservatives that contact samples, and were they carried through all sample preparations and analyses?	6010 B 3 a				
Were samples chilled to 4°C after collection?	6010 B 1 2)				
Were a minimum of 5 concentrations used for calibration?	6020 B 1 a 6200 B 3 j				
Notes/Comments:					

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Did calibration concentrations have no more than one order of magnitude between them?	6020 B 1 a				
Was one calibration standard near but above the MDL?	6200 B 3 j				
Were continuing calibration verification analyzed at least every 20 samples or 12 hours?	6020 B 1 b				
Were the acceptance criteria for CCVs between 80 and 120%?	6020 B 1 b				
Did CCV concentrations vary to confirm the entire calibration range?	6020 B 1 b				
Were analysis runs closed with an LFB of known concentration?	6020 B 1 c				
Were LFBs included with each sample batch or set?	6020 B 3 b				
Were surrogates added before sample preparation so they could be carried through the entire preparation?	6020 B 3 d				
Were externally prepared QCS analyzed whenever new stock solutions were prepared or every quarter?	6020 B 3 e				
Were laboratory-fortified samples (LFS) prepared with each sample batch?	6020 B 3 f				
Were laboratory-fortified sample duplicates prepared from duplicate samples included in each sample batch?	6020 B 3 g				
Were reagent-blanks analyzed daily, and the values never used to correct sample values?	6200 B 1 b				
Were LRBs analyzed after unusually concentrated samples to check for carryover?	6200 B 1 b				
When stock standard compound purities were less than 96%, were the calculated standard concentrations corrected?	6200 B 3 g				
Notes/Comments:					

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Were stock standards stored at -10°C to -20°C with minimal headspace and away from light?	6200 B 3 g				
Were secondary standards prepared weekly for gases?	6200 B 3 h				
Were secondary standards stored with minimal headspace in a freezer?	6200 B 3 h				
Were working calibration standards stored for not longer than 24 hours if in sealed, zero-headspace containers and for not longer than 1 hour if in another type of container?	6200 B 3 j				
Was 25 ng BFB analyzed at the beginning of each day before any sample analysis?	6200 B 4 b				
Were all key m/z criteria met in BFB analysis before sample analysis?	6200 B 4 b				
If using internal calibration, were average response factors used only if RSDs were less than 20%?	6200 B 4 c 2)				
If using external calibration, was linearity through zero assumed only if RSDs were less than 20% throughout the entire calibration range?	6200 B 4 c 3)				
Were samples brought to room temperature prior to analysis?	6200 B 4 d				

Notes/Comments: